## INTERNATIONAL SEARCH REPORT

national Application No rc[/IB2004/000192

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01S13/93 B60R21/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01S B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 98/32030 A (AUTOMOTIVE SYSTEMS LAB) 23 July 1998 (1998-07-23)	1-4, 10-14, 20-24,30
Υ	page 6, line 4 page 6, lines 17,18	5-9, 15-19, 25-29
•	page 13, lines 22-26 page 14, line 3 - line 10 page 17, line 23 - page 18, line 8 page 20, line 1 - page 21, line 14; claims 1,22	
	-/	
		,

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
9 June 2004	17/06/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Johansson, R

1

## INTERNATIONAL SEARCH REPORT

I pational Application No
PCT/IB2004/000192

	TO DE DEL EVANT	PC1/1B2004/000192		
:.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
ategory -	Challott of document, with indication, where appropriate, or the release passage			
( Y	DE 199 63 006 A (BOSCH GMBH ROBERT) 28 June 2001 (2001-06-28) column 1, line 48 - line 60	1-4, 10-14, 20-24,30 5-9,		
	column 2, line 11 - line 18	15-19, 25-29		
X	US 4 926 171 A (KELLEY WILLIAM L) 15 May 1990 (1990-05-15) column 2, lines 38-61 column 3, lines 8-25 column 4, line 57 - column 6, line 21	1,11,21		
X	US 6 087 928 A (KLEINBERG RAYMOND ET AL) 11 July 2000 (2000-07-11) column 4, line 29 - line 54	1,11,21		
X	US 3 864 678 A (BITO MINORU ET AL) 4 February 1975 (1975-02-04) the whole document	1,11,21		
X	US 5 314 037 A (SHAW JUDY Z-Z ET AL) 24 May 1994 (1994-05-24) column 8, line 24 - column 10, line 13	1,11,21		
Υ .	US 5 633 642 Å (HOESS ALFRED ET AL) 27 May 1997 (1997-05-27)	5-9, 15-19, 25-29		
	column 6, line 43 - column 7, line 48; claims 9,11			

1

## INTERNATIONAL SEARCH REPORT

nformation on patent family members

i national Application No FC [/IB2004/000192

	ent document in search report		Publication date		Patent family member(s)	Publication date
MU	9832030	A	23-07-1998	US	6085151 A	04-07-2000
WU	J002000	,,	20 0. 2000	CA	2274716 A1	23-07-1998
				EP	0954758 A1	10-11-1999
				JΡ	2002511922 T	16-04-2002
				WO	9832030 A1	23-07-1998
DF	 19963006	A	28-06-2001	DE	19963006 A1	28-06-2001
	1550000		<del></del>	WO	0148512 A1	05-07-2001
				EP	1157287 A1	28-11-2001
				JP	2003518635 T	10-06-2003
				US	2003036850 A1	20-02-2003
US	4926171	Α	15-05-1990	NONE		
US	6087928	Α	11-07-2000	NONE		
115	3864678		04-02-1975	JP	902086 C	30-03-1978
UJ	3004070	,,	J. J5	JP	48100821 A	19-12-1973
				ĴΡ	52027888 B	22-07-1977
				AU	458491 B2	27-02-1975
				AU	5422073 A	10-10-1974
				CA	997044 A1	14-09-1976
				DE	2317465 A1	11-10-1973 
US	5314037	Α	24-05-1994	US	5529138 A	25-06-1996
	5633642	A	27-05-1997	WO	9514939 A1	
UJ	30001L	••	<del>-</del>	ËΡ	0730742 A1	
				ĴΡ	9506698 T	30-06-1997